

SPECIFICATION AMENDMENTS:

Please amend the paragraph on page 18, lines 7-19, as follows:

According to a further embodiment, the invention relates to a method of producing a bone formation agent consisting of calcium phosphate by way of the synthesis route of a thermally induced solid-state reaction beginning with a stoichiometric mixture of two preferably known starting materials (1, 2), their homogeneous mixing, sintering and comminution, and subsequent admixture with porosity-causing agents that can be burned off or that are volatilised, characterised in that to the calcium phosphate (C) synthesised from the starting materials (1, 2), after production and comminution, there are added, for production of a microporosity, a further proportion of the unreacted stoichiometric mixture of the starting materials (1, 2) and at least two further porosity-causing agents that can be burnt off to increase pore share (I) according to claim 2 and to produce a pore share (II), but preferably three further porosity-causing agents that can be burnt off to increase pore share (I) and to produce pore shares (II) and (III) according to claim 2 3, and the mixture is homogenised, compacted and fired to form a porous sintered body.